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Application/Control No.

09/841,023 Examiner

Reexamination

Applicant(s)/Patent under

OTSUBO ET AL.

Art Unit

Vincent M. Rudolph

2625

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| Cla      | aim Date  |  |                  |            |                   |          |          | $\neg$   |          |                 |
|----------|---|--|------------------|------------|-------------------|----------|----------|--|----------|-----------------|
| <u> </u> |   |  |                  |            |                   |          |          |  |          |                 |
| Final    | Original  | 9/22/05                                | 2/15/06          | 8/1/06     |                   |          |          |  |          |                 |
|          | 1   | 1                                      | 77               | •          |                   |          |          |  |          |                 |
|          | 2   | 1                                      | 7                | 1          |                   |          |          |  |          |                 |
|          | 3   | 1                                      | 1                | 1          |                   |          |          |  |          |                 |
|          | 4   | 1                                      | 1                | 1          |                   |          |          |  |          |                 |
|          | 5   | 1                                      | 1                | 1 1 1      |                   |          |          |  | Ш        | _               |
|          | 6   | 1                                      | 7                | \ \        |                   |          |          |  | ш        |                 |
|          | -   | V                                      | 1                |            |                   |          |          |  | $\vdash$ |                 |
|          | <del>                                     </del>  | 7                                      | 7                | 1          |                   |          |          |  |          |                 |
|          | 10  | J                                      | J                | 1          | -                 |          |          |  | -        | $\vdash$        |
|          | 11  | j                                      | 7                |            | $\vdash$          |          | -        |  | Н        | $\dashv$        |
|          | 12  | j                                      | j                | 1          | $\vdash$          | H        | Н        | H  | H        | $\dashv$        |
|          | 13  | V                                      | 1                |            |                   |          |          |  | Н        | $\dashv$        |
|          | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 | ファファファファファファファファファファファファファファファファファファファ | ファファファファファファファファ | 7 7 7      |                   |          |          |  | П        | $\Box$          |
|          | 15  | 1                                      | 1                | 1          |                   |          |          |  |          |                 |
|          | 16  | 1                                      | 1                | 1          |                   |          |          |  |          |                 |
|          | 17  | 1                                      | 1                | 1          |                   |          |          |  |          |                 |
|          | 18  | 1                                      | 1                |            | $ldsymbol{f eta}$ |          |          |  |          |                 |
|          | 19  | V                                      | 1                | 1          |                   |          |          |  | L        | Ц               |
|          | 20  | 1                                      | 1                | 1          | _                 |          |          |  | L        | Ш               |
|          | 21  |  | 1                |            | _                 |          |          |  | Щ        | Щ               |
|          | 22  | ٧                                      | ۱,               | V          |                   |          | _        | _  | _        |                 |
|          | 23  | ⊢                                      | ₹                | 1          |                   |          |          |  | -        |                 |
|          | 24  | ┝                                      | $\vdash$         | 1          |                   | _        | _        | H  | $\vdash$ | $\vdash$        |
|          | 25  | ┢                                      | ┝                | <u> </u>   | -                 |          | _        | ┝  | $\vdash$ | Н               |
|          | 27  | $\vdash$                               | ┝                | $\vdash$   |                   |          |          |  | $\vdash$ | $\dashv$        |
|          | 28  |  |                  |            | _                 |          |          |  |          |                 |
|          | 29  | Н                                      | _                | H          |                   |          | -        |  | -        |                 |
|          | 30  | $\vdash$                               |                  |            | $\vdash$          |          |          |  |          | $\Box$          |
|          | 31  | Г                                      |                  |            |                   |          |          |  |          |                 |
|          | 31<br>32  |  |                  |            |                   |          |          |  |          |                 |
|          | 33  |  |                  |            |                   |          |          |  |          |                 |
|          | 33<br>34<br>35  |  |                  |            | <u> </u>          |          | L        | L_   | L        |                 |
|          | 35  | _                                      |                  | ــــ       | <u> </u>          | _        | Ш        | L  | <u> </u> | Ш               |
|          | 36<br>37  | <u> </u>                               | <u> </u>         | <u> </u> - | <u> </u>          | _        | L        |  | <u> </u> | Щ               |
|          | 37  |  |                  | <u> </u>   | <u> </u>          | L-       | <u> </u> | $\vdash$   | <u> </u> | Н               |
|          | 38  | $\vdash$                               | _                | $\vdash$   | $\vdash$          | $\vdash$ | <u> </u> | $\vdash$   | H        | Н               |
|          | 39<br>40  | ├                                      | -                | $\vdash$   | $\vdash$          | -        | -        | <del> </del>                                     | $\vdash$ | ${f H}$         |
|          | 41  | ┝                                      |                  | -          | ┢                 | H        | -        | ┢  | H        | $\vdash$        |
|          | 42  | ╁┈                                     | -                | -          | ┢                 | H        | -        | $\vdash$   | $\vdash$ | $\vdash$        |
|          | 43  | H                                      | <u> </u>         | 一          |                   | $\vdash$ | _        | <del>                                     </del> | $\vdash$ | $\vdash \vdash$ |
|          | 44  | ⇈                                      |                  | $\vdash$   |                   | Г        |          | <b> </b>   | T        | Н               |
|          | 45  | 1                                      | Τ                |            | _                 | Γ        | Г        |  | Г        | М               |
|          | 46  |  |                  |            |                   |          | L        |  |          |                 |
|          | 47  | L                                      |                  |            |                   |          |          |  |          |                 |
|          | 48  |  |                  |            |                   |          |          |  |          |                 |
|          | 49  |  |                  | L          |                   |          |          |  |          |                 |
|          | 50  | 乚                                      | 匚                | Ĺ          | 匚                 |          | Ĺ        |  |          |                 |

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|-----------|-----------|--------------|--------------|--|--|--------------|----------|--|--|----------|
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| Final     | Original  |              |              |  |  |              |          |  |  |          |
|           | 51        |              |              |  |  |              |          |  |  |          |
|           | 52        |              |              |  |  |              |          | _  |  |          |
|           | 53        |              |              |  |  |              |          |  |  |          |
|           | 54        |              |              |  |  |              |          |  |  |          |
|           | 55        |              |              |  |  |              |          |  |  |          |
|           | 56        |              |              |  |  |              |          |  |  |          |
| L         | 57        |              |              |  |  |              |          |  |  |          |
|           | 58        |              |              |  |  | L            |          |  |  |          |
|           | 59        |              |              |  |  |              |          |  |  |          |
|           | 60        |              |              |  |  |              |          |  |  |          |
|           | 61        |              |              |  |  |              |          |  |  |          |
|           | 62        |              |              |  |  |              |          |  |  |          |
|           | 63        |              |              |  |  |              |          |  |  |          |
|           | 64        |              |              |  |  |              |          |  |  |          |
|           | 65        |              | <u> </u>     | $oxed{oxed}$                                     |  |              | Ш        |  | L_   |          |
|           | 66        | <u> </u>     | L_           | <u> </u>   | Ш  | Ш.           | Ш        | _  |  |          |
|           | 67        |              |              | $oxed{oxed}$                                     |  |              |          |  |  | _        |
|           | 68        | _            |              | L  |  |              |          | _  |  |          |
| L         | 69        |              |              |  |  |              |          |  |  |          |
|           | 70        |              | <u> </u>     |  |  | _            |          |  | _  |          |
|           | 71<br>72  | _            |              | _  |  | _            |          |  | <u> </u>   |          |
| <u> </u>  | 72        | <u> </u>     | <u> </u>     | <u> </u>   | _  |              |          |  | _  |          |
| <u></u>   | 73        | _            | _            | <u> </u>   | _  | _            |          |  | ļ  |          |
| <u> </u>  | 74        | _            | L            | <u> </u>   | ⊢  | <u> </u>     | $\vdash$ |  | <u> </u>   |          |
|           | 75<br>76  |              | -            | ┢  | -  |              | -        |  |  | -        |
| ⊢         | 77        | ⊢            |              | $\vdash$   | -  | -            |          |  | -  | -        |
| <b>-</b>  | 78        | <del> </del> | -            | ┢  | ┝  |              |          |  | -  |          |
| <b></b> - | 79        | $\vdash$     | $\vdash$     | -  |  | $\vdash$     | ├        | _  | ⊢  |          |
| -         | 80        | -            | -            | $\vdash$   | -  | -            |          | -  |  | -        |
|           | 81        | ┢╾           | -            | -  | -  | -            | ┢        |  | <del>                                     </del> |          |
|           | 82        | ┢╾           | -            |  | $\vdash$   | _            | $\vdash$ | ┢  | _  |          |
|           | 83        | ┢            | $\vdash$     | $\vdash$   | <del>                                     </del> |              | $\vdash$ | $\vdash$   | <del>                                     </del> | $\vdash$ |
|           | 84        | $\vdash$     |              | $\vdash$   |  |              | $\vdash$ | $\vdash$   | $\vdash$   | H        |
|           | 85        | Т            |              | Т  |  | <del></del>  | <u> </u> |  | <b>-</b>   | H        |
|           | 86        | Ι            |              | <del>                                     </del> | $\Box$   | Ι            |          | <del>                                     </del> |  | Т        |
|           | 87        |              |              | T  | $\vdash$   |              |          | Т  | T  | Г        |
|           | 88        | $\vdash$     | ┢            | Т  | $\vdash$   | Т            | $\vdash$ | Г  | Ι  | Т        |
|           | 89        |              | T            | _  | Ι_   | Т            | <u> </u> | Г  |  | Г        |
|           | 90        |              | Ī            |  |  |              | <u> </u> |  |  |          |
|           | 91        |              |              |  |  |              |          |  |  |          |
|           | 92        |              |              |  |  |              |          |  |  |          |
|           | 93        | 匚            |              | 匚  |  | $\Box$       |          |  |  |          |
|           | 94        | <u> </u>     | <u> </u>     | L  | _  | <u> </u>     | _        | L  | <u> </u>   | L        |
|           | 95        | L            | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u> | _  | L_   |          |
| <u></u>   | 96        | _            | _            | Ľ  | <b> </b>   | <u> </u>     | <u> </u> | $ldsymbol{f eta}$                                | <u> </u>   | _        |
| <u></u>   | 97        | <u> </u>     | <del> </del> | <u> </u>   | $\vdash$   | $\vdash$     | <u> </u> | <u> </u> _                                       | ⊢  | <u> </u> |
|           | 98        | <u> </u>     | -            | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$ | -  | <u> </u>   | <u> </u> |
|           | 99<br>100 | -            | -            | <u> </u>   | $\vdash$   | <del> </del> | ├        |  | ├  | -        |
| L         | 100       | <u> </u>     | l            | l  |  |              |          |  | Ц.   | 1        |

| Tell   Tell | Cli       | aim     | Date         |              |  |              |              |  |              |  |          |
|---|-----------|---------|--------------|--------------|--|--------------|--------------|--|--------------|--|----------|
| 101   |           |         |              |              |  |              |              |  |              |  |          |
| 102   | Final     | Origina |              |              |  |              |              |  |              |  |          |
| 102   |           | 101     |              |              |  |              |              |  |              |  |          |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149   149   149   149   149   |           | 102     |              |              |  |              |              |  |              |  |          |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149   149   149   149   149   |           | 103     |              |              |  |              |              |  |              |  |          |
| 106   |           | 104     |              |              |  |              |              |  |              |  |          |
| 107   |           | 105     |              |              |  |              |              |  |              |  |          |
| 108         109         110         111         112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 106     |              |              |  |              |              |  |              |  |          |
| 109         110         111         112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 107     | L            |              |  | Ш            |              |  |              |  |          |
| 110         111         112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 108     | _            | _            |  |              |              |  |              |  | {        |
| 112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 109     |              |              |  |              |              |  |              | !  | 괵        |
| 112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   | _         | 110     | -            |              |  | _            | _            |  |              |  |          |
| 113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 112     | $\vdash$     |              | $\vdash$   | -            |              | -  |              |  | $\dashv$ |
| 116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 113     | $\vdash$     |              | H  | -            |              |  |              |  | $\dashv$ |
| 116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 114     | -            |              | _  | -            |              |  |              | _  | Н        |
| 116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 115     | -            | _            | Т  | -            |              | $\vdash$   |              |  | $\Box$   |
| 117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 116     |              |              |  |              |              |  |              |  |          |
| 118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 117     |              |              |  | П            |              |  |              |  |          |
| 119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |           | 118     |              |              |  |              |              |  |              |  |          |
| 121   |           | 119     |              |              |  |              |              |  |              |  |          |
| 124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148<br>149   |           | 120     |              |              |  |              |              |  |              |  |          |
| 124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148<br>149   |           | 121     |              |              |  |              |              |  |              |  |          |
| 124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148<br>149   |           | 122     |              |              |  |              |              | _  |              |  |          |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148   |           | 123     |              |              |  |              |              | <u> </u>   |              |  | Ш        |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148   |           | 124     | _            | Ш            | <u> </u>   |              |              | ļ  |              | L  |          |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |           | 125     | _            | L            | $\vdash$   | _            |              | <u> </u>   |              | $\vdash$   | _        |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |           | 126     |              |              | H  | -            |              | ┝  |              | $\vdash$   | $\vdash$ |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |           | 128     |              |              | -  |              |              | ┝  | -            | $\vdash$   |          |
| 131   |           | 120     | -            | -            | $\vdash$   | $\vdash$     |              | ┝  | $\vdash$     | $\vdash$   | -        |
| 131   |           | 130     | H            |              |  | $\vdash$     |              | ┢  | H            | $\vdash$   |          |
| 132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |           | 131     |              |              |  | -            |              | -  | _            |  |          |
| 134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |           | 132     |              |              |  |              |              |  |              |  |          |
| 134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |           | 133     | Г            | Г            |  |              |              |  |              | П  |          |
| 135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |           | 134     |              |              |  |              |              |  |              |  |          |
| 137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |           | 135     |              |              |  |              |              |  |              |  |          |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149   |           | 136     |              | $\Box$       |  |              | L            |  |              | $\Box$   |          |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149   |           | 137     |              | <u> </u>     | <u> </u>   |              | _            | _  | <u> </u>     | oxdot  | Щ        |
| 140   | <u> </u>  | 138     | _            | ldash        | <u> </u>   | _            | <u> </u>     | <u> </u>   | <u> </u>     | ┕  |          |
| 141   | <u> </u>  | 139     | <del> </del> | ⊢            |  |              | <u> </u>     | <del> </del>                                     | <u> </u>     | <b> </b> -                                       | Н        |
| 142   |           |         | -            | <del> </del> | -  | <del> </del> | $\vdash$     | $\vdash$   | ⊢            | $\vdash$   | Н        |
| 143   | <u> </u>  |         | $\vdash$     | $\vdash$     | -  |              | <del> </del> | ┝  | ⊢            | ┝  | Н        |
| 144   |           |         | -            | -            | $\vdash$   | ├─           | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   | Н        |
| 145   |           |         |              | $\vdash$     | ├-   | ╁╾           | ┢╾           | ┢  | -            | <del>                                     </del> | $\vdash$ |
| 146   |           |         | <del> </del> | $\vdash$     | $\vdash$   | ┢╌           | $\vdash$     | <del>                                     </del> | <del> </del> | $\vdash$   | H        |
| 147   | <b> </b>  |         | ✝            | $\vdash$     | <del>                                     </del> |              |              |  | $\vdash$     | $\vdash$   | Н        |
| 148   | <b></b> - |         | T            | $\vdash$     | T  | П            |              |  | $\vdash$     | T  | М        |
| 149   |           |         |              | İ            | $\vdash$   |              | Г            |  |              |  | П        |
| 150   |           |         |              |              |  |              |              |  |              |  |          |
|   |           |         |              |              |  |              |              |  |              |  |          |